



# Rabbit anti-Arabidopsis thaliana RAD51 (C-term) Polyclonal Antibody (CABT-Z125R)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of arabidopsis thaliana RAD51.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Arabidopsis thaliana
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB Recommended dilution: WB: 1:500-1:2,000 (detect endogenous protein*)
<b>Molecular Weight</b>	37 kDa
<b>Preparation</b>	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of arabidopsis thaliana RAD51 (AT5G20850).
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl
<b>Buffer</b>	Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN <sub>3</sub> .
<b>Preservative</b>	0.01% NaN <sub>3</sub>

<b>Storage</b>	Store at -20°C. Stable for 6 months from date of receipt.
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<b>Ship</b>	Wet ice
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## BACKGROUND

<b>Introduction</b>	<p>RAD51 binds to single and double-stranded DNA and exhibits DNA-dependent ATPase activity. RAD51 is a component of the meiotic recombination pathway. RAD51 seems to play a role in mediating chromosome homology search, chromosome pairing and synapsis at early stages and probably chromosome crossing-over at later stages in meiosis. RAD51 is probably involved in the repair of meiotic double strand breaks (DBSs) generated by AtSPO11-1 and in homologous recombination. Its function is dispensable for vegetative growth and root mitosis.</p>
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<b>Keywords</b>	DNA repair protein RAD51 homolog 1;Rad51-like protein 1;AtRAD51;At5g20850;F22D1.20
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## GENE INFORMATION

<b>Gene Name</b>	RAD51
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<b>Entrez Gene ID</b>	<a href="#">832208</a>
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<b>UniProt ID</b>	<a href="#">P94102</a>
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